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NEWS 6 JAN 22 CA/CAplus updated with revised CAS roles
NEWS 7 JAN 22 CA/CAplus enhanced with patent applications from India
NEWS 8 JAN 29 PHAR reloaded with new search and display fields
NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers
NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records
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NEWS 13 FEB 26 MEDLINE reloaded with enhancements
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NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE
NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19 MAR 16 CASREACT coverage extended
NEWS 20 MAR 20 MARPAT now updated daily
NEWS 21 MAR 22 LWPI reloaded
NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements
NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN
NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field
NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records
NEWS 26 APR 30 CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS 27 APR 30 INPADOC replaced by INPADOCDB on STN
NEWS 28 MAY 01 New CAS web site launched

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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DICTIONARY FILE UPDATES: 3 MAY 2007 HIGHEST RN 934264-62-7

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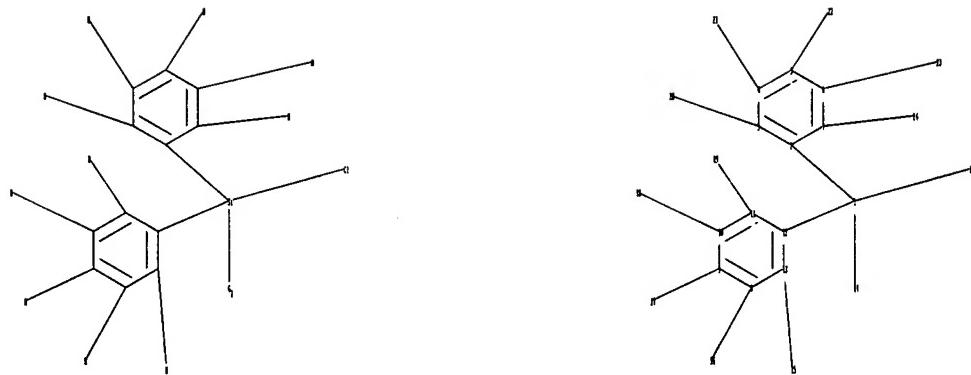
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chain nodes :
1 14 15 16 17 18 19 20 21 22 23 24 25
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
1-12 1-2 1-14 1-25 3-20 4-21 5-22 6-23 7-24 8-16 9-17 10-18 11-19
13-15
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13
exact/norm bonds :
1-14
exact bonds :
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normalized bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13

G1:H,Ak

Match level :
1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS

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L1 STRUCTURE UPLOADED

=> D L1
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> S L1 FULL
FULL SEARCH INITIATED 08:40:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3088 TO ITERATE

100.0% PROCESSED 3088 ITERATIONS 110 ANSWERS
SEARCH TIME: 00.00.01

L2 110 SEA SSS FUL L1

=> FILE CAPLUS
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
172.55 172.76

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FILE COVERS 1907 - 4 May 2007 VOL 146 ISS 20
FILE LAST UPDATED: 3 May 2007 (20070503/ED)

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=> S L2
L3 2057 L2

=> S L3 AND GRIGNARD PROCESS
43808 GRIGNARD
2422400 PROCESS
21 GRIGNARD PROCESS
(GRIGNARD(W) PROCESS)
L4 3 L3 AND GRIGNARD PROCESS

=> D L4 IBIB ABS HITSTR 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:790824 CAPLUS
 DOCUMENT NUMBER: 145:189020
 TITLE: Method of making phenyl-containing chlorosilanes with aliphatic or cycloparaffinic hydrocarbon solvents
 INVENTOR(S): Bauer, Dana C.; Bedbury, Curtis John; Nguyen, Binh Thanh
 PATENT ASSIGNEE(S): Dow Corning Corporation, USA
 SOURCE: PCT Int. Appl., 15pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2006083665 | A1 | 20060810 | WO 2006-US2760 | 20060125 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |

PRIORITY APPLN. INFO.: US 2005-648753P P 20050201

OTHER SOURCE(S): CASREACT 145:189020

AB Phenylmethyldichlorosilanes and diphenylmethylchlorosilanes are prepared by Grignard process involving the step of contacting a Ph Grignard reagent, an ether solvent, a trichlorosilane, and an aliphatic or cycloparaffinic hydrocarbon coupling solvent; in a mole ratio of the ether solvent to the Ph Grignard reagent is 2 to 5, the mole ratio of the trichlorosilane to the Ph Grignard reagent is 0.1 to 10, and the mole ratio of the aliphatic or cycloparaffinic hydrocarbon coupling solvent to the Ph Grignard reagent is 3 to 7. Preferred reactants include phenylmagnesium chloride as the Ph Grignard reagent; di-Et ether as solvent; n-heptane as the aliphatic hydrocarbon coupling solvent, or cyclohexane as the cycloparaffinic hydrocarbon coupling solvent; and methyltrichlorosilane.

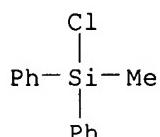
IT 144-79-6P, Chloro(methyl)diphenylsilane

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of Ph-containing chlorosilanes with aliphatic or cycloparaffinic hydrocarbon solvents via Grignard reaction)

RN 144-79-6 CAPLUS

CN Benzene, 1,1'-(chloromethylsilylene)bis- (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

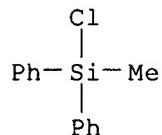
L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:673304 CAPLUS

DOCUMENT NUMBER: 143:133536
 TITLE: Grignard processes with improved yields of diphenylchlorosilanes as products
 INVENTOR(S): Nguyen, Binh Thanh; Bedbury, Curtis John; Humburg, Roger Edwin; Jacob, Susan Mary; Ratcliff, Sarah Jane; Waterman, John Dennis
 PATENT ASSIGNEE(S): Dow Corning Corporation, USA
 SOURCE: PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|------------|
| WO 2005068475 | A1 | 20050728 | WO 2004-US43005 | 20041217 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1701964 | A1 | 20060920 | EP 2004-815121 | 20041217 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS | | | | |
| CN 1902208 | A | 20070124 | CN 2004-80039957 | 20041217 |
| US 2007066826 | A1 | 20070322 | US 2006-585154 | 20060629 |
| PRIORITY APPLN. INFO.: | | | US 2004-534443P | P 20040106 |
| | | | WO 2004-US43005 | W 20041217 |

OTHER SOURCE(S): CASREACT 143:133536

- AB A Grignard process for preparing phenyl-containing chlorosilane products, in particular diphenylchlorosilanes, is carried out in three embodiments. In the first embodiment, the reactants of the Grignard process are a Ph Grignard reagent, an ether solvent, a trichlorosilane, and an aromatic hydrocarbon coupling solvent. In the second embodiment, the reactants of the Grignard process are a Ph Grignard reagent, an ether solvent, a phenylchlorosilane, and an aromatic hydrocarbon coupling solvent. In the third embodiment, the reactants of the Grignard process are a Ph Grignard reagent, an ether solvent, a trichlorosilane, a phenylchlorosilane, and an aromatic hydrocarbon coupling solvent. In each embodiment, the reactants are present in a particular mole ratio.
- IT 144-79-6P, Chloro(methyl)diphenylsilane
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (improved yields for preparation of chlorodiphenylsilanes via Grignard method)
- RN 144-79-6 CAPLUS
 CN Benzene, 1,1'-(chloromethylsilylene)bis- (CA INDEX NAME)

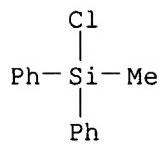


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:991235 CAPLUS
 DOCUMENT NUMBER: 140:16814
 TITLE: Preparation of organosilicon intermediate and their derivatives in a novel Grignard process
 INVENTOR(S): Nguyen, Binh T.
 PATENT ASSIGNEE(S): Dow Corning Corp., USA
 SOURCE: U.S. Pat. Appl. Publ., 5 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| US 2003233005 | A1 | 20031218 | US 2002-172443 | 20020613 |
| US 6686492 | B2 | 20040203 | | |
| WO 2003106465 | A1 | 20031224 | WO 2003-US16306 | 20030523 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2003231820 | A1 | 20031231 | AU 2003-231820 | 20030523 |
| EP 1513851 | A1 | 20050316 | EP 2003-760223 | 20030523 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| JP 2005529955 | T | 20051006 | JP 2004-513296 | 20030523 |
| CN 1688591 | A | 20051026 | CN 2003-816950 | 20030523 |
| IN 2004MN00710 | A | 20051118 | IN 2004-MN710 | 20041209 |
| PRIORITY APPLN. INFO.: | | | US 2002-172443 | A 20020613 |
| | | | WO 2003-US16306 | W 20030523 |

OTHER SOURCE(S): CASREACT 140:16814; MARPAT 140:16814
 AB A one-step process for the preparation of organosilicon intermediates. The organosilicon intermediates comprise a group which includes such intermediates as 1,4-bis(dimethylsilyl)benzene, 1,4-bis(dimethylchlorosilyl)benzene, and their derivs. The process comprises: combining a dihalobenzene with magnesium metal in a co-solvent mixture of an ether and an organic solvent and reacting them with an organosilicon compound of the general formula, R₂bHcSiXd. The resulting mixture is allowed to react to completion. The resulting mixture is passed through a filtration device. The liquid, now free of solid magnesium halide, is subjected to a separation technique to recover the subject organosilicon intermediates and their derivs. Thus, Grignard reaction of PhMgCl with MeSiCl₃ in Et₂O followed by separation with PhMe gave PhMeSiCl₂.
 IT 144-79-6, Chloro(methyl)diphenylsilane
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of organosilicon intermediate and their derivs. in novel Grignard reaction of halosilane)
 RN 144-79-6 CAPLUS
 CN Benzene, 1,1'-(chloromethylsilylene)bis- (CA INDEX NAME)



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|--|------------------|---------------|
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| CA SUBSCRIBER PRICE | -2.34 | -2.34 |

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